

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/845,511DATE: 05/09/2001
TIME: 06:49:32

INPUT SET: S36546.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

1
2
3 (1) General Information:
4 (i) APPLICANT: Thomas, Lawrence J.
5
6 (ii) TITLE OF INVENTION: PLASMID-BASED VACCINE FOR
7 TREATING ATHEROSCLEROSIS
8 (iii) NUMBER OF SEQUENCES: 10

9
10 (iv) CORRESPONDENCE ADDRESS:
11 (A) ADDRESSEE: Yankwich & Associates
12 (B) STREET: 130 Bishop Allen Drive
13 (C) CITY: Cambridge
14 (D) STATE: Massachusetts
15 (E) COUNTRY: USA
16 (F) ZIP: 02139

17
18 (v) COMPUTER READABLE FORM:
19 (A) MEDIUM TYPE: Floppy disk
20 (B) COMPUTER: IBM PC compatible
21 (C) OPERATING SYSTEM: Windows 95/98
22 (D) SOFTWARE: Word 97

23
24 (vi) CURRENT APPLICATION DATA:
25 (A) APPLICATION NUMBER: (not yet assigned)
26 (B) FILING DATE: 30 April 2001
27 (C) CLASSIFICATION:

28
29 (vii) PRIOR APPLICATION DATA:
30 (A) APPLICATION NUMBER: 08/640,713
31 (B) FILING DATE: 01 May 1996 (01.05.96)

32
33 (viii) PRIOR APPLICATION DATA:
34 (A) APPLICATION NUMBER: 08/302,967
35 (B) FILING DATE: 21 February 1997 (21.02.97)

36
37 (ix) PRIOR APPLICATION DATA:
38 (A) APPLICATION NUMBER: 09/171,969
39 (B) FILING DATE: 20 October 1998 (20.10.98)

40
41 (x) NAME OF INVENTOR: Thomas, Lawrence J.

42 (xi) NAME OF INVENTOR: Thomas, Lawrence J.

43 (xii) NAME OF INVENTOR: Thomas, Lawrence J.

44 (xiii) NAME OF INVENTOR: Thomas, Lawrence J.

45 (xiv) NAME OF INVENTOR: Thomas, Lawrence J.

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47 (2) INFORMATION FOR SEQ ID NO: 1:
48 (i) SEQUENCE CHARACTERISTICS:
49 (A) LENGTH: 1488 base pairs
50 (B) TYPE: nucleic acid
51 (C) STRANDEDNESS: single
52 (D) TOPOLOGY: linear
53 (ii) MOLECULE TYPE: cDNA
54 (iii) HYPOTHETICAL:
55 (iv) ANTI-SENSE:
56 (ix) FEATURE:
57 (A) NAME/KEY: structural coding sequence for
58 mature rabbit CPTP
59 (B) LOCATION:
60
61 (x) PUBLICATION INFORMATION:
62 (A) AUTHORS: Nagashima, Mariko, et al.
63 (B) TITLE: Cloning and mRNA tissue
64 distribution of rabbit
65 cholesteryl ester transfer
66 protein
67 (C) JOURNAL: J. Lipid Res.
68 (D) VOLUME: 29
69 (E) ISSUE:
70 (F) PAGES: 1643 - 1649
71 (G) DATE: 1988
72 (K) RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 1488
73
74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
75
76 TGTCCCAAAG GCGCTCCTA CGAGGCTGGG ATCGTGTGTC GCATCACCAA 50
77 GCGCGCTCTC TTGGTGTGA ACCAAGAGAC GGCCAAGGTG GTCCAGACGG 100
78 CCTTCCAGCG CGCCGGCTAT CCGGACGTCA CGCGGAGAG GGCCGTGATG 150
79 CTCCTCAGCC GCGTCAAGTA CCGGCTGAC AACCTCCAGA TCAGCCACCT 200
80 GTGATCGCC AGCAGCCAGG TGGAGCTGGT GAGCGCAAG ACCATCGACG 250
81 TCGGCATCA GAAGTGTCC GTGGTCTTCA AGGGGACCT GAACTACAGC 300
82 TACAGGATG CTGGGGGTT GGGGATCAAT GAGTGTG ACTTCGAGAT 350
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100
101 AGGGCCGCGCA GCATCCTCTC AGATGGAGAC ATCGGGGTGG ACATTTCCGT 650
102
103 GACGGGGGGGC CCTGTCTATCA CAGCCACCTA CCTGGAGTCC CATCACAAGG 700
104
105 GTCACCTTCAC GCACAAGAAC GTCTCCGAGG CCTTCCCCCT CCGCGCCTTC 750
106
107 CCGCCCCGGTC TTCTGGGGGA CTCCCGCATG CTCTACTTCT GGTTCCTCGA 800
108
109 TCAAGTGCTC AACTCCCTGG CCAGGGCCGC CTTCAGGAG GGCGGTCTCG 850
110
111 TGCTCAGCCT GACAGGGGAT GAGTTCAAGA AAGTGCTGGA GACCCAGGGT 900
112
113 TTCGACACCA ACCAGGAAAT CTTCAGGAG CTTTCAGAG GCCTTCCCA 950
114
115 CCGCCAGGCG CAGGTAGCGG TCCACTGCCT TAAGGTGCC AAGATCTCCT1000
116
117 GCCAGAACCG GGGTGTCTGT GTGTCTTCTT CCGTCGCCGT GACGTTCGGC1050
118
119 TTCCCCCGCC CAGATGGCGG AGAAGCTGTG GCCTACAGGT TTGAGGAGGA1100
120
121 TATCATCACC ACCGTCCAGG CCTCCTACTC CCAGAAAAAG CTCTTCCTAC1150
122
123 ACCTCTTBSA TTTCCASTGC GTGCCGGCCA GCGGAAGGGC AGGCAGCTCA1200
124
125 GCAAAATCTCT CCGTGGCCCT CAGGAATGAG GCTAAGGCTG TTTCCAAAGCT1250
126
127 GACTGASABC CGCTCCGAST CCTGACAGG CTCTCTCCGC TCCCTGATCG1300
128
129 CCACGGTGGG CATCCCGAGG GTCATGTCTC GGCTCGAGGT GGCGTTCAAC1350
130
131 GCGCTCATSA ACAGCAAAAG CTTGAGCTC TTGAAATCA TCAACCCCGA1400
132
133 GATTATCACT CTGGATGGCT GCGTGTGCT GCAGATGGAC TTGGGTTTTT1450
134
135 CCAAGCACCT GGTGGTGGAT TTCCTGAGA GCCTGAGC1488
136
137
138
139

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(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:498 amino acids

(B) TYPE:amino acid

(C) TOPOLOGY:linear

(i) MOLECULE TYPE:protein

(ii) FUNCTION:

(iii) ANTI-SENSE:

(iv) OTHER:

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153 (A) AUTHORS:Nagashima, Mariko, et al.
154 (B) TITLE:Cloning and mRNA tissue
155 distribution of rabbit
156 cholesteryl ester transfer
157 protein
158 (C) JOURNAL:J. Lipid Res.
159 (D) VOLUME:29
160 (E) ISSUE:
161 (F) PAGES:1643 - 1649
162 (G) DATE:1988
163 (H) RELEVANT RESIDUES IN SEQ ID NO:2: FROM 1 TO 496
164
165

166 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

167
168 Cys Pro Lys Gly Ala Ser Tyr Glu Ala Gly Ile Val Cys
169 1 5 10
170
171 Arg Ile Thr Lys Pro Ala Leu Leu Val Leu Asn Gln Glu
172 15 20 25
173
174 Thr Ala Lys Val Val Gln Thr Ala Phe Gln Arg Ala Gly
175 30 35
176
177 Tyr Pro Asp Val Ser Gly Glu Arg Ala Val Met Leu Leu
178 40 45 50
179
180 Gly Arg Val Lys Tyr Gly Leu His Asn Leu Gln Ile Ser
181 55 60 65
182
183 His Ile Ser Ile Ala Ser Ser Gln Val Glu Leu Val Asp
184 70 75
185
186 Ala Lys Thr Ile Asp Val Ala Ile Gln Asn Val Ser Val
187 80 85 90
188
189 Val Phe Lys Gly Thr Leu Asn Tyr Ser Tyr Thr Ser Ala
190 95 100
191
192 Trp Gly Leu Gly Ile Asn Gln Ser Val Asp Phe Glu Ile
193 105 110 115
194
195 Asp Ser Ala Ile Asp Leu Gln Ile Asn Thr Glu Leu Thr
196 120 125 130
197
198 Arg Ala Ala Glu Ser Thr Ala Thr Asp Val Phe Ala Val
199 135 140 145 150 155 160
200

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206
207 Phe Ile Ser Phe Thr Leu Lys Leu Ile Leu Lys Arg Gln
208 170 175 180
209
210 Val Cys Asn Glu Ile Asn Thr Ile Ser Asn Ile Met Ala
211 185 190 195
212
213 Asp Phe Val Gln Thr Arg Ala Ala Ser Ile Leu Ser Asp
214 200 205
215
216 Gly Asp Ile Gly Val Asp Ile Ser Val Thr Gly Ala Pro
217 210 215 220
218
219
220 Val Ile Thr Ala Thr Tyr Leu Glu Ser His His Lys Gly
221 225 230
222
223 His Phe Thr His Lys Asn Val Ser Glu Ala Phe Pro Leu
224 235 240 245
225
226 Arg Ala Phe Pro Pro Gly Leu Leu Gly Asp Ser Arg Met
227 250 255 260
228
229 Leu Tyr Phe Trp Phe Ser Asp Gln Val Leu Asn Ser Leu
230 265 270
231
232 Ala Arg Ala Ala Phe Gln Glu Gly Arg Leu Val Leu Ser
233 275 280 285
234
235 Leu Thr Gly Asp Glu Phe Lys Lys Val Leu Glu Thr Gln
236 290 295
237
238 Gly Phe Asp Thr Asn Gln Glu Ile Phe Gln Glu Leu Ser
239 300 305 310
240
241 Arg Gly Leu Pro Thr Gly Gln Ala Gln Val Ala Val His
242 315 320 325
243
244 Cys Leu Lys Val Pro Lys Ile Ser Cys Gln Asn Arg Gly
245 330 335
246
247 Val Val Val Ser Ser Ser Val Ala Val Thr Phe Arg Phe
248 340 345 350
249
250 Arg Ala Thr Arg Gly Val Glu Met Val Ala Tyr Arg Phe
251 355
  
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PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/09/845,511*

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Line	Error	Original Text
25	Wrong application Serial Number	CA)APPLICATION NUMBER:(not yet assigned)